

**TURF FUNGICIDE GRANULAR
CONTAINS BAYLETON[®] FUNGICIDE
MATERIAL SAFETY DATA SHEET**

Manufacturer's Name & Address

Southern Agricultural Insecticides, Inc.
PO Box 218, Palmetto, FL 34220

Phone: 941-722-3285
Chemtrec: 1-800-424-9300

I. NOMENCLATURE

Product Name:	Turf Fungicide Granular Contains Bayleton [®] Fungicide	EPA Reg. No. 829-288
Chemical Name:	1-(4-chlorophenoxy)-3,3-dimethyl-1-(1H-1,2,4-triazol-1-yl)-2-butanone	
Synonyms:	Triadimefon	Formula C ₁₄ H ₁₆ Cl N ₃ O ₂
Chemical Family:	Triazole fungicide	

II. INGREDIENTS

Triadimefon	0.6%	CAS No.43121-43-3	Exposure limits	OSHA, ACGIH not established.
Nuisance Dust	<1.0%	PNOR	OSHA PEL	respirable dust 5 mg/m ³ .
				Total dust 15 mg/m ³

III. PHYSICAL PROPERTIES

Vapor Pressure: (mmHg) 1.5×10^{-7} @ 20°C (for triadimefon)

Percent Volatile: (by volume) Not established

Solubility In Water: (triadimefon) 64 ppm @ 20°C.

Appearance/Odor: Light brown, free flowing granules with musty odor

Vapor Density: (air=1) Not established

Boiling Point: Not applicable

Bulk density: 36-38 lb./ft³

IV. FIRE AND EXPLOSION DATA

Flash Point: Not Applicable.

Extinguishing Media: Water, dry chemical, foam, or CO₂. If water is used, apply as a fine spray and contain runoff.

Special Fire Fighting Procedures: Personnel should remain upwind. Firemen should wear self contained breathing apparatus (air-pack) and full protective clothing. Use water spray to cool fire exposed containers. Toxic gasses are evolved when material is overheated. Do not breathe smoke or vapors generated. Material does not burn readily, under small fire conditions, and smoldering product may still produce toxic gases. Dust explosion is possible.

V. FIRST AID

Eye Exposure: Flush eyes with a gentle stream of clean water for at least 15 minutes. Hold eye lids apart to ensure washing underside of lids. Remove contact lenses while rinsing. Get medical attention.

For Skin : Remove contaminated clothing. Wash skin with soap and water. Get medical attention if irritation develops or persists. If signs of poisoning occur get immediate medical attention.

For Inhalation: Move from immediate source of exposure to fresh air and insure victim is breathing. If breathing is difficult, administer oxygen, if not breathing give artificial respiration, preferably mouth to mouth. Get immediate medical attention.

For Ingestion: If ingestion is suspected, wash mouth out with water and call a physician or poison control center. If medical assistance cannot be given immediately, drink promptly large quantities of water. Avoid alcohol. Do not induce vomiting. Do not leave victim unattended. Vomiting may occur spontaneously. To prevent aspiration of swallowed product, lay victim on side with head lower than waist. If vomiting occurs and the victim is conscious give additional water to further dilute the chemical. Do not attempt to give anything by mouth to an unconscious or convulsing person.

Note to Physician: Eyes: Granules may irritate through mechanical injury. **INGESTION:** This formulation is expected to be of low toxicity. Treat Symptomatically. In case of poisoning, it is also requested that Bayer Corp., Agriculture Division, Kansas City, Mo. be notified. Telephone 816/242-2582, Refer to product code #022957

VI. HUMAN HEALTH DATA

Routes of Entry: Inhalation of dust and dermal contact. Active ingredient can be absorbed through skin.

Symptoms of Overexposure: Eye irritation due primarily to abrasion of granules, resulting in tearing and redness of eyes. Animal studies have shown that this product is mildly toxic orally and dermally and is a mild eye irritant. Active ingredient can act as a positive dermal sensitizer.

Chronic Effects of Exposure: Based on animal studies no deleterious effects would be expected from chronic exposure to the active ingredient during normal use.

Carcinogenicity: No component of this product is listed by NTP, IARC, or regulated as a carcinogen by OSHA.

Toxicity: Acute Oral LD₅₀ Male and female rate >2500 mg/kg

Acute Dermal: LD₅₀ Male and Female >2000 mg/kg.

Inhalation: LD₅₀ 4 hr (dust) Male rat 3.2 Mg/L (nominal)
4 hr (dust) Female rat 3.2 Mg/L (nominal)

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Eye Effects Rabbit: Mild irritant

Skin Effects Rabbit: Not a dermal irritant

VII. REACTIVITY

Stability: Stable at ambient temperatures.

Conditions to Avoid: Moisture and high temperatures.

Materials to Avoid: Strong oxidizing agents and acids.

Hazardous Decomposition Products: Carbon monoxide, carbon dioxide, Hcl, hydrazines, amines, and nitrogen oxides

Hazardous Polymerization: Will not Occur.

VIII. SPILL OR LEAK PROTECTION

If Spilled: Contain and sweep up spilled material. Keep dust to minimum during clean up. Follow precautions given in section VIII. Wash spill area with soap and water. Do not allow spilled material or wash water to enter streams, sewers, or other waterways.

Waste Disposal: Follow label instructions. Spilled product that can not be used or disposed of according to labeled instruction must be disposed according to applicable local, State, and Federal procedures.

IX. SPECIAL PROTECTION

Respiratory: Avoid breathing dust. Under dusty conditions or conditions of poor ventilation wear a NIOSH approved respirator with pesticide cartridge.

Ventilation: General. Handle with good ventilation. Handle to produce a minimum of dust. Do not exceed indicated exposure limits.

Skin protection: Chemical resistant gloves, clean, body covering work clothing (long sleeves and long pants). Wash clothing separately. Do not wear contaminated clothing. Wash thoroughly after handling.

Eye Protection: Safety glasses with side shields or goggles.

Other Protective Equipment: Have available clean water for eye or skin contamination.

X. SPECIAL PRECAUTIONS

Handling Precautions: Avoid skin and eye contact. Avoid breathing dust. Wash thoroughly after handling.

Storing Precautions: Store in cool, well ventilated, dry area. Storage temperature 30 day average not to exceed 100° F. Do not store with feed or food. Do not place damaged or leaking containers in inventory.

Other Precautions: Do not contaminate any body of water. KEEP OUT OF REACH OF CHILDREN.

XI. SHIPPING & FEDERAL REGULATORY INFORMATION

Freight class all packing sizes Fungicides NOI, NMFC 102120

Not regulated; DOT (domestic surface), IMO / IMDG code (Ocean), IACO / IATA (Air)

OSHA Status This product is hazardous under the criteria of the Federal OSHA communication standard 29 CFR 1910.1200

CERCLA REPORTABLE QUANTITY: None.

SARA Title III section 302 extremely hazardous substances: No components listed.

section 311/312: Immediate Health Hazard:

section 313 Toxic chemicals: No components listed

RCRA Status When discarded in its purchased form, this product would not be a hazardous waste. See product label

NFPA 704M Ratings	HEALTH	FLAMMABILITY	REACTIVITY	OTHER
	0	0	1	0
	0=insignificant	1=Slight	2=Moderate	3 High
				4 Extreme

This information relates solely to the designated product and is not inclusive for combinations with other materials. This information is given without warranty or representation. Information is based on data we believe to be correct as of the date hereof. This information is furnished solely for your consideration, investigation, and verification. Before using any product READ THE LABEL.

REF. Mobay MSDS 3/91 Prod.# 22957

Mobay MSDS 3/91 Prod # 12953

29CFR 1910.100, "95", 40CFR part 355.5 "95" 40CFR part 302.4 "95", 49CFR parts 171-173 "97"